K 200 L sileo

Centrifugal circular duct fan

Item number: 19510

Variant: 230V 1~ 50Hz

• Speed-controllable
• Integral thermal contacts
• Can be installed in any position
• Can be installed outdoors
• Maintenance-free and reliable

The K series is designed for installation in ducts. All the K-fans have minimum 25 mm long spigot connections.

The fans have backward-curved blades and external rotor motors. To simplify the installation the K-fan has a fixing bracket together with screws for mounting the bracket included as standard. The FK mounting clamp facilitates easy installation and removal, and prevents the transfer of vibration to the duct. The fans can be speed-controlled via a stepless thyristor or a 5-step transformer.

To protect the motor from overheating the fan has integral thermal contacts with manual reset. The casing is manufactured from galvanised sheet steel and folded which gives the fan a close to air tight casing. Duct connected outdoor and wet room applications of the fan are possible due to the air tight casing

Technical parameters

Nominal data		
Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	155	W
Input current	0.682	A
Impeller speed	2,638	rpm
Air flow	max 974	m³/h
Capacitance of capacitor	3.5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C

Sound data		
Sound pressure level at 3m (20m² Sabin)	48	dB(A)

Protection/Classification		
Enclosure class, motor	IP44	
Insulation class	F	

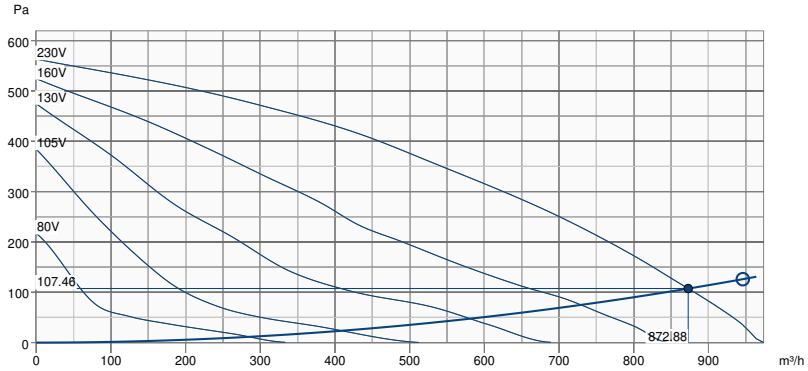
Data according to ErP		
ErP ready	ErP 2016; ErP 2018	

Dimensions and weights		
Duct dimension; Circular, inlet	200	mm
Duct dimension; Circular, outlet	200	mm
Weight	4.8	kg

others		
Duct connection type	Circular	
Motor type	AC	

Performance

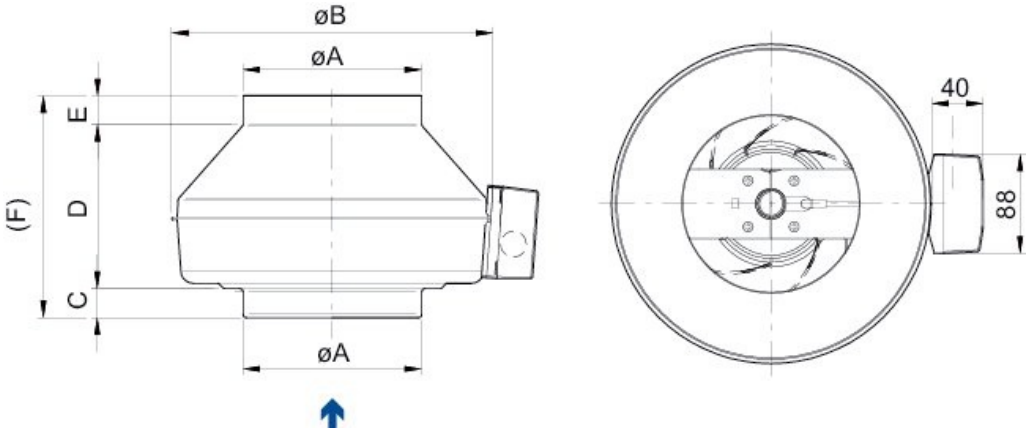
Performance curve



Hydraulic data	
Required air flow	946 m³/h
Required static pressure	126 Pa
Working air flow	873 m³/h
Working static pressure	107 Pa
Air density	1.204 kg/m³
Power	146.2 W
Fan control - RPM	2676 rpm
Current	0.59 A
SFP	0.603 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

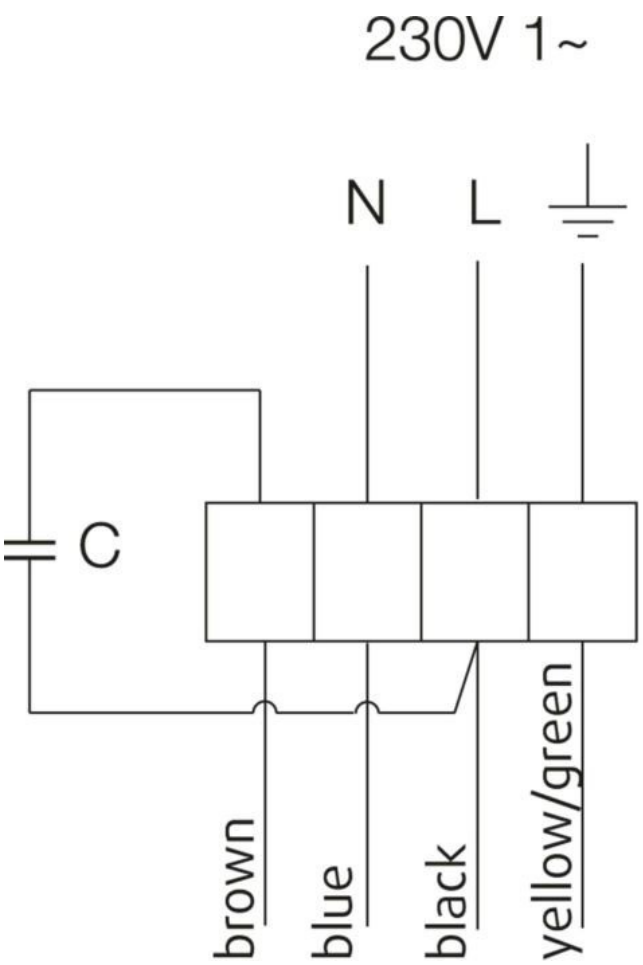
Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	59	61	66	66	66	64	58	57	73
Outlet	dB(A)	54	57	62	65	64	64	59	55	71
Surrounding	dB(A)	30	25	38	44	48	47	43	39	53
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	46
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	32

Dimension



øA	øB	C	D	E	F
199	336	30	174	27	231

Wiring



Ecodesign

Product		
Trade name	Systemair	
Product name	K 200 L Sileo	

Ecodesign		
ErP compliance	2018	
Unit category	NRVU	
Drive	External MSD or VSD	
Unit type	UVU	
Heat recovery type	None	
Temperature ratio (UVU)	Not applicable	
qv nom	0.135	m^3/s
P nom	0.147	kW
Ps nom	384	Pa
Fan efficiency	35.3	%
External Leakage	0	%
Sound power level LWA	49	dB(A)

Accessories

- Frequency converter FRQ5SE-6A (37421)
- REE 1 Speed control (5314)
- RETP 6 Temp/Pressure regulator (32293)
- REV-3POL/03-7,5kW R/Y (33978)
- VKK-200 Back draft damper (1626)
- DTV500A (96807)
- HR1 Room Humidistat (215150)
- Presence detector/IR24-P (6995)
- Safety switch 2-pole grey (210679)
- VBF 200 Water heating battery (1732)
- CB 200-3,0 230V/1 Duct heater (5370)
- CB 200-5,0 400V/2 Duct heater (5371)
- CBMF 200-3,0 230V/1 Duct heate (12245)
- CWK 200-3-2,5 Duct cooler,circ (30023)
- FGR 200 Filter cassette (1812)
- LDC 200-300 Silencer (53369)
- LDC 200-900 Silencer (5195)
- VBC 200-2 Water heating batt (5459)
- Room hygrostat HR-S (286251)
- RE 1,5 Speed control (5000)
- REPT 6 Digital regulator (5698)
- REU 1.5 Speed control (5004)
- SG 200 Protection guard (5609)
- CO2RT-R-D Transmitter (6993)
- Frequency converter FRQSE-6A (37419)
- IGK-200 Wall Grid (1633)
- RT 0-30 Room Thermostat (5151)
- T 120 Timer (5165)
- CB 200-2,1 230V/1 Duct heater (5384)
- CB 200-3,0 400V/2 Duct heater (5294)
- CBM 200-5,0 400V/2 Duct heater (5483)
- CBMF 200-5,0 400V/2 Duct heate (12246)
- FFR 200 Filter cassette (1773)
- FK 200 Fast clamp (1611)
- LDC 200-600 Silencer (5194)
- RSK-200 Back draft damper (5602)
- VBC 200-3 Water heating batt (9841)

Documents

- INSTALLATION__OPERATION_AND_MAINTENANCE_INSTRUCTION_K__KV__PRIO__EN_006.PDF
- K fan mounting.wmv